

Abstract of the Disclosure

Please replace the abstract as follows:

5        It is an object to provide, in a data storage circuit for storing data, provide a power saving data storage circuit and a data writing method in the data storage circuit, and, further, to provide a data storage device.

10       Thus, in the present invention, reading out existing data stored in a storage element M is performed prior to performing writing of new data to the storage element M to compare the existing data and the new data. The data storage circuit is configured so that in a case 15 where the existing data and the new data are identical with each other, writing to the storage element M is not performed, and, in a case where the existing data and the new data are not identical with each other, writing of the new data to the storage element M is performed. The 20 data storage circuit is formed on a semiconductor substrate to have a data storage device.

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